



IDAHO OIL AND GAS CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DEPT. OF LANDS

2015 OCT -7 PM 4:21

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

Lease Name: ML Investments

Operator: Alta Mesa Services, LP Address: 15021 Katy Freeway, Suite 400, Houston, Texas 77094

Well Number: 2-10 Field & Reservoir: Willow

Location: (Sec.-TWP-Range or Block & Survey): Section 10 Township 8N Range 4W

County Payette	Permit number LU600117	Date issued 6/27/2013	Previous permit number	Date issued
Date spudded 8/1/2013	Date total depth reached 8/9/2013	Date completed, ready to produce: 3/26/2014	Elevation (DF, RKB, RT, or Gr) Gr - GL2302.75'	Elevation of casing hd. Flange 16'
Total depth 4991'	P.B.T.D. 4620'	Single, dual, or triple Completion: Single	If this is a dual or triple completion, furnish separate report for each completion. N/A	
Producing interval(s) for this Completion: 4194' - 4204'		Rotary Tools used (interval) Rotary 0 - 4991'	Cable tools used (interval) N/A	
Was this well directionally drilled? No	Was a directional survey made? No	Was a copy of directional survey filed? N/A	Date filed N/A	
Type of electrical or other logs run (check logs filed with the commission) Drilling Logs			Date filed 1/2/2014	

CASING RECORD

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Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size Hole Drilled	Size Casing set	Weight (lb./ft.)	Depth set	Sacks Cement	Am't. Pulled
Conductor		13 3/8"	54.5#	120'		0
Surface	10 5/8"	8 5/8"	32#	960'	250	0
Long String	7 7/8"	5 1/2"	15.5#	4991'	1109	0
Liner	Inside 5 1/2" CSG	4 1/2"	15.1#	4877'	100	0

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks Cement	Screen (ft.)
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PERFORATION RECORD

Acid, Shot, Fracture, Cement Squeeze Record

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
4	3 1/8" CSG Gun	4790' - 4800'	CIBP w/15' CMT on Top	4750'
4	3 1/8" CSG Gun	4690' - 4700'	CIBP w/15' CMT on Top	4685'
4	3 1/8" CSG Gun	4660' - 4665'	CIBP w/15' CMT on Top	4600'

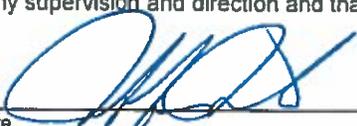
SEE PAGE 2 FOR ADDITIONAL PERFORATION RECORDS

Date of First Production: 3/21/2014		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump)				
Date of Test 3/25/2014	Hrs. Tested 2	Choke Size 16/64	Oil Prod. During Test 4.5 bbls.	Gas Prod. During Test 177 MCF	Water Prod. During Test 2.5 bbls	Oil Gravity 69.4 °API (Corr)
Tubing Pressure 1480	Casing Pressure 0	Cal'ed Rate of Production per 24 hrs.		Oil 54 bbls.	Gas 2124 MCF	Water 30 bbls. Gas—oil ratio 39.333

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct and complete to the best of my knowledge.

Date 4/4/14

Signature 



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TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks Cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.	ft.	ft.

PERFORATION RECORD

Acid, Shot, Fracture, Cement Squeeze Record

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
4	3 1/8" CSG Gun	4436' - 4442'	CMT Retainer	4403'
4	3 1/8" CSG Gun	4288' - 4300'	CMT Retainer	4260'
4	3 1/8" CSG Gun	4194' - 4204'		

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Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump)

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Date

4/4/14

Signature



**IDAHO OIL AND GAS CONSERVATION COMMISSION
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DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description
Glens Ferry	Surface	2450'MD	Lacustrine and Fluvial Sediment
Chalk Hills	2450'MD	TD	Volcanic Ash, Lacustrine and Fluvial Sediment

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*show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the Director, Idaho Department of Lands, Boise, Idaho, not later than thirty (30) days after project completion.